

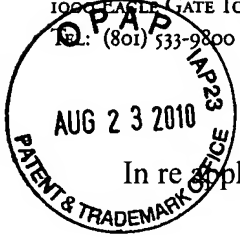


WORKMAN | NYDEGGER
INTELLECTUAL PROPERTY ATTORNEYS

COFC

1000 EAST GATE TOWER, 60 EAST SOUTH TEMPLE | SALT LAKE CITY, UTAH 84111
TEL: (801) 533-9800 | FAX: (801) 328-1707 | WWW.WNLAW.COM

PATENT
Docket No. 16274.156a



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Gao et al.

Serial No.: 10/706,492

Filed: Nov. 12, 2003

Confirmation No.: 7215

For: *PLANAR OPTICAL CIRCUIT*

Examiner: Jerry Rahl

Patent No.: 7,373,030 B2

Issue Date: May 13, 2008

Art Unit
2815

REQUEST FOR A CERTIFICATE OF CORRECTION
UNDER 37 C.F.R. § 1.323

Attention: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate

AUG 25 2010

of Correction

Dear Commissioner:

In accordance with the provisions of 37 C.F.R. § 1.323, which implements 35 U.S.C. § 255, the Director is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent Office Form PTO/SB/44 reflects the desired corrections.

Payment in the amount of \$100, as set forth in 37 C.F.R. § 1.20(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178: (1) any filing fees required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees

08/24/2010 HVUONG1 00000009 7373030

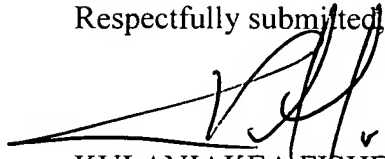
01 FC:1811

100.00 0P

under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider this a petition therefore and charge any additional fees that may be required to Deposit Account No. 23-3178.

Dated this 24 day of June, 2010.

Respectfully submitted,



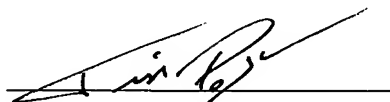
KULANIAKEA FISHER
Attorney for Applicant
Registration No.: 50,987
Customer No.: 22913

WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, UT 84111
Phone: 801-533-9800
Fax: 801-328-1707

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 18 day of August, 2010.

Respectfully submitted,



Transmitted:

REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323
PTO Form PTO/SB/44 and check No. 169567 in the amount of \$100

KF:tgp
2908327_1

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

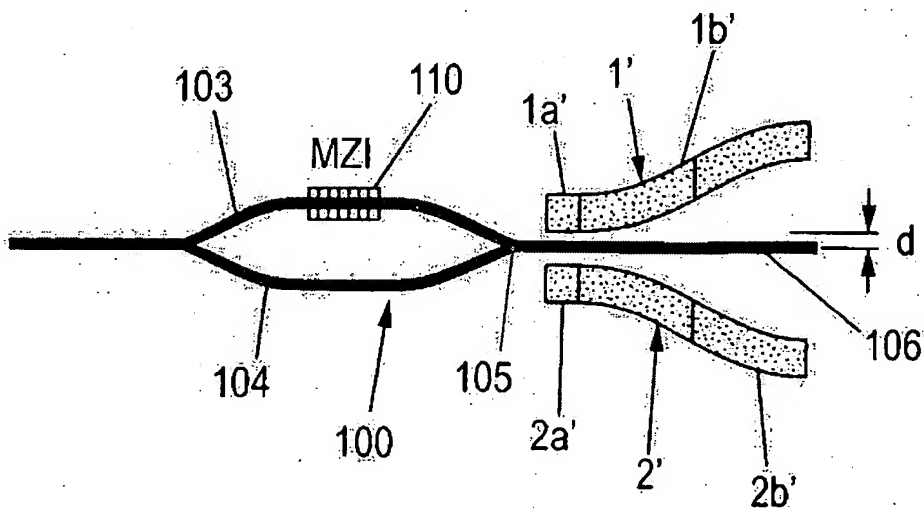
It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

(30) Foreign Application Priority Data, change "102 53 440" to --102 53 440.3--

Title Page

Replace Figure with the figure depicted below, wherein a line to reference "105" has been added.



MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Line 8, change "entirety. FIELD" to --entirety.--

Line 41, change "Pin" to --P_{in}--Line 44, change "Pout" to --P_{out}--**Column 3**

Line 18, change "some, other" to --some other--

Line 51, change "6 μm x 6 μm" to --6 μm x 6 μm--

Column 4

Line 54, change "straight region" to --straight section--

Lines 57-58, change "light for example to" to --light, for example, to--

Line 67, change "P_{out}=P_{in}-2 X" to --P_{out} = P_{in} - 2X--**Column 5**

Line 17, change "two waveguides" to --two additional waveguides--

Lines 30-31, change "additional waveguide" to --two additional waveguides--

Line 57, change "factor of 1 000" to --factor 1,000--

Column 6

Line 3, change "attenuator" to --interferometer--

Line 5, change "attenuators" to --interferometers--

Line 21, change "layer for example by" to --layer, for example, by--

Lines 36-37, change "attenuator" to --interferometer--

MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

This collection of information is required by 37 C.F.T. 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 3 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7

Line 7, change "6x6 μm " to --6 x 6 μm --

Line 13, change ">0.44" to --> 0.44--

Line 15, change " $\sin \alpha > 1/n_{\text{glass}}$." to -- $\sin \alpha > 1/n_{\text{glass}}$ --

Line 15, change ">43.83°" to --> 43.83°--

Line 16, change " $n_{\text{glass}}=1.444$." to -- $n_{\text{glass}} = 1.444$ --

Line 23, change "attenuators" to --interferometers--

Line 37, change "are" to --is--

Line 45, change "6x6 μm " to --6 x 6 μm --

Column 8

Line 2, change "trenches 340" to --trench 340--

Line 12, change "trenches 340" to --trench 340--

Claim 2, line 65, change "of tapers" to --off tapers--

Column 9

Claim 7, line 31, change "wherein additional" to --wherein the additional--

MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

This collection of information is required by 37 C.F.T. 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 4 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

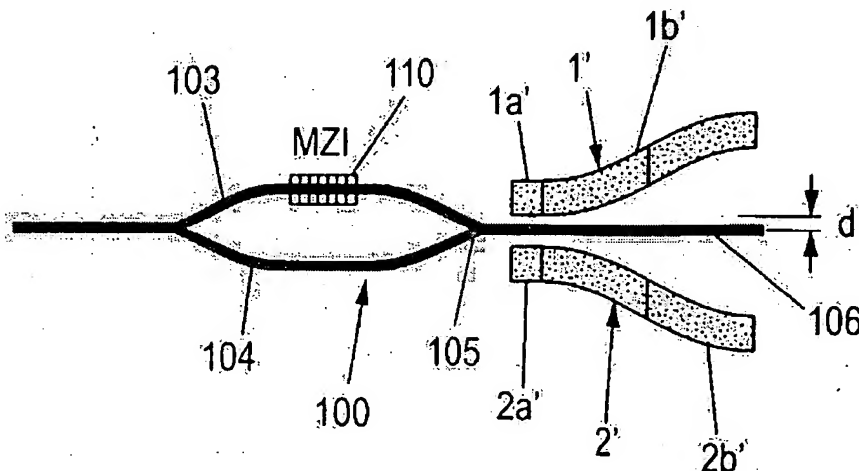
INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings

Sheet 1, replace Fig. 2 with the figure depicted below, wherein a line to reference "105" has been added.

FIG. 2



MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 5 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

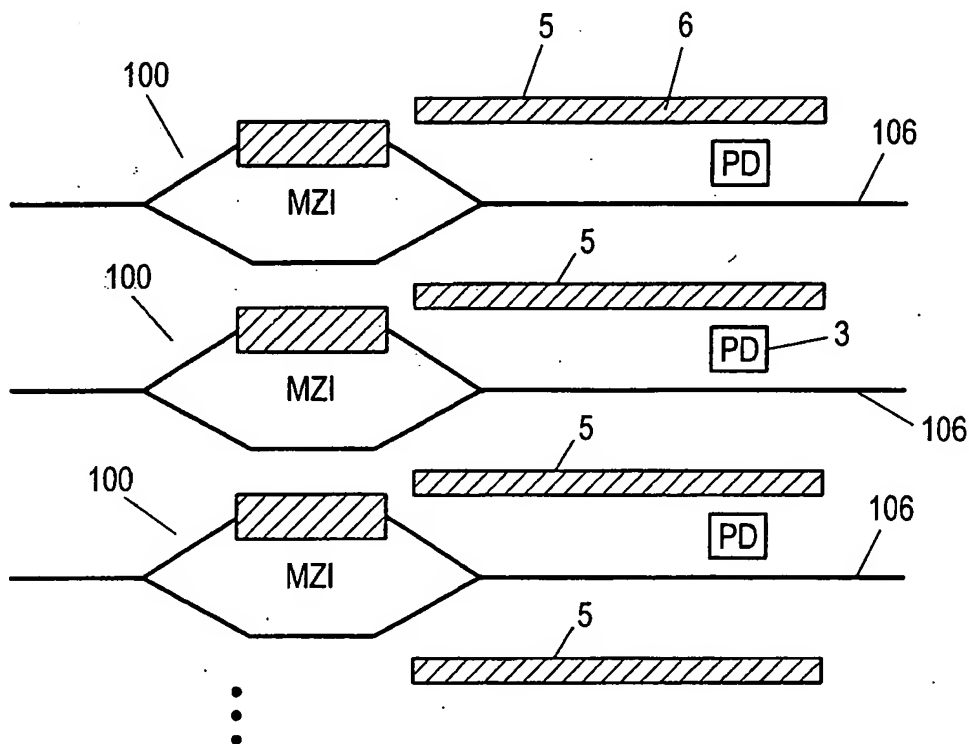
ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings

Sheet 4, replace Fig. 5 with the figure depicted below, wherein parallel diagonal line filler has been added in the trenches "5" to show the light-absorbing substance and wherein the reference "6" with a line to the light-absorbing substance has been added.



MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 1 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

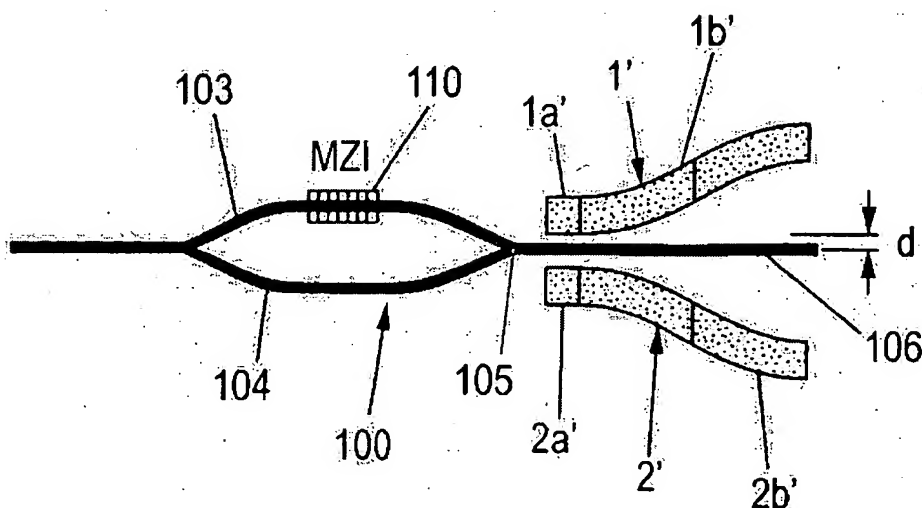
It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

(30) Foreign Application Priority Data, change "102 53 440" to --102 53 440.3--

Title Page

Replace Figure with the figure depicted below, wherein a line to reference "105" has been added.



MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

This collection of information is required by 37 CFT 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Line 8, change "entirety. FIELD" to --entirety--

Line 41, change "Pin" to -- P_{in} --Line 44, change "Pout" to -- P_{out} --**Column 3**

Line 18, change "some, other" to --some other--

Line 51, change "6 $\mu\text{m} \times 6 \mu\text{m}$ " to --6 $\mu\text{m} \times 6 \mu\text{m}$ --**Column 4**

Line 54, change "straight region" to --straight section--

Lines 57-58, change "light for example to" to --light, for example, to--

Line 67, change " $P_{out} = P_{in} - 2X$ " to -- $P_{out} = P_{in} - 2X$ --**Column 5**

Line 17, change "two waveguides" to --two additional waveguides--

Lines 30-31, change "additional waveguide" to --two additional waveguides--

Line 57, change "factor of 1 000" to --factor 1,000--

Column 6

Line 3, change "attenuator" to --interferometer--

Line 5, change "attenuators" to --interferometers--

Line 21, change "layer for example by" to --layer, for example, by--

Lines 36-37, change "attenuator" to --interferometer--

MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 3 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7

Line 7, change "6x6 μm " to --6 x 6 μm --

Line 13, change ">0.44" to --> 0.44--

Line 15, change " $\sin \alpha > 1/n_{\text{glass}}$." to -- $\sin \alpha > 1/n_{\text{glass}}$ --

Line 15, change ">43.83°" to --> 43.83°--

Line 16, change " $n_{\text{glass}}=1.444$." to -- $n_{\text{glass}} = 1.444$ --

Line 23, change "attenuators" to --interferometers--

Line 37, change "are" to --is--

Line 45, change "6x6 μm " to --6 x 6 μm --

Column 8

Line 2, change "trenches 340" to --trench 340--

Line 12, change "trenches 340" to --trench 340--

Claim 2, line 65, change "of tapers" to --off tapers--

Column 9

Claim 7, line 31, change "wherein additional" to --wherein the additional--

MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

This collection of information is required by 37 C.F.T. 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 4 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

ISSUE DATE : May 13, 2008

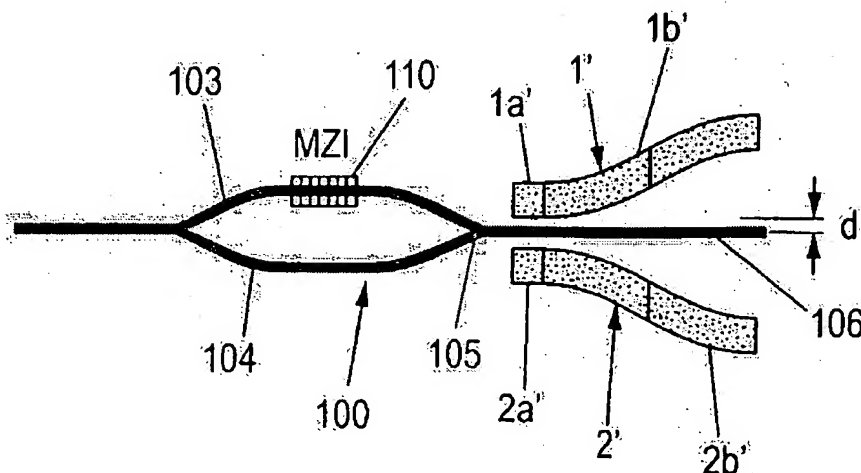
INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings

Sheet 1, replace Fig. 2 with the figure depicted below, wherein a line to reference "105" has been added.

FIG. 2



MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 5 of 5

PATENT NO. : 7,373,030 B2

APPLICATION NO. : 10/706,492

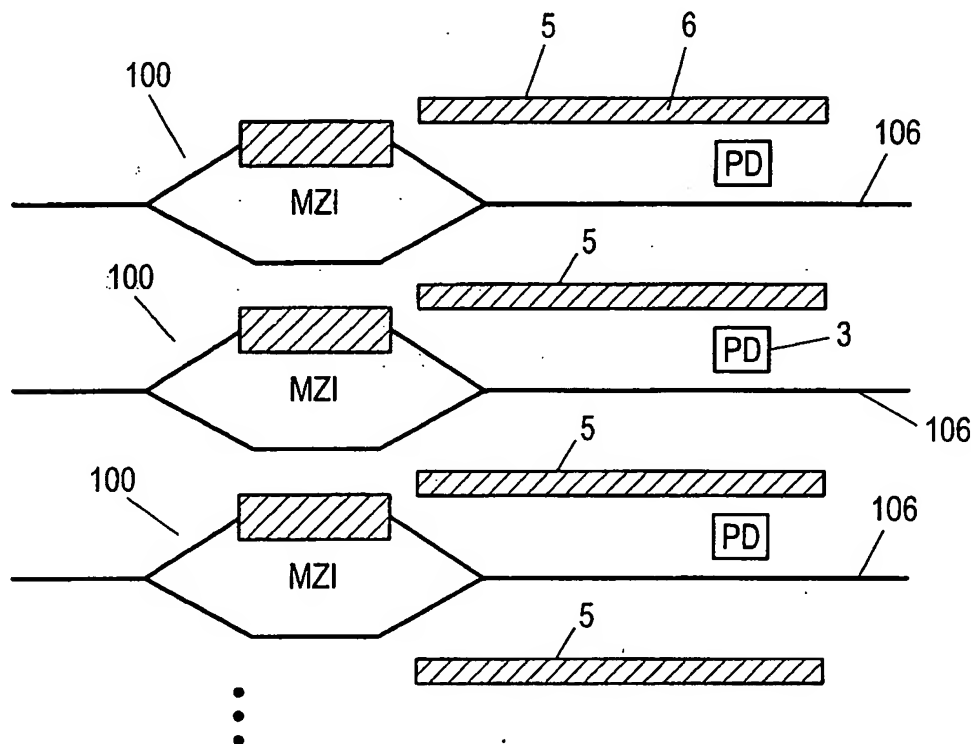
ISSUE DATE : May 13, 2008

INVENTOR(S) : Gao et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings

Sheet 4, replace Fig. 5 with the figure depicted below, wherein parallel diagonal line filler has been added in the trenches "5" to show the light-absorbing substance and wherein the reference "6" with a line to the light-absorbing substance has been added.



MAILING ADDRESS OF SENDER (Please do not use customer number)

KULANIAKEA FISHER, WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

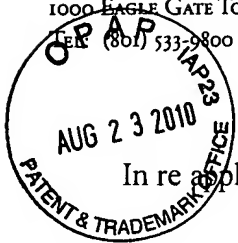
This collection of information is required by 37 C.F.T. 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



WORKMAN | NYDEGGER
INTELLECTUAL PROPERTY ATTORNEYS

1000 EAGLE GATE TOWER, 60 EAST SOUTH TEMPLE | SALT LAKE CITY, UTAH 84111
TEL: (801) 533-9800 | FAX: (801) 328-1707 | WWW.WNLAW.COM

PATENT
Docket No. 16274.156a



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Gao et al.

Serial No.: 10/706,492

Filed: Nov. 12, 2003

Confirmation No.: 7215

For: *PLANAR OPTICAL CIRCUIT*

Examiner: Jerry Rahl

Patent No.: 7,373,030 B2

Issue Date: May 13, 2008

Art Unit
2815

REQUEST FOR A CERTIFICATE OF CORRECTION
UNDER 37 C.F.R. § 1.323

Attention: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

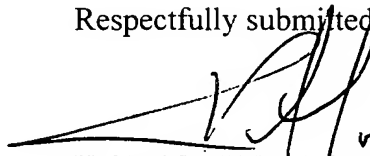
In accordance with the provisions of 37 C.F.R. § 1.323, which implements 35 U.S.C. § 255, the Director is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent Office Form PTO/SB/44 reflects the desired corrections.

Payment in the amount of \$100, as set forth in 37 C.F.R. § 1.20(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178: (1) any filing fees required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees

under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider this a petition therefore and charge any additional fees that may be required to Deposit Account No. 23-3178.

Dated this 24 day of June, 2010.

Respectfully submitted,

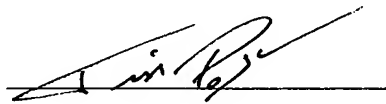

KULANIAKEA FISHER
Attorney for Applicant
Registration No.: 50,987
Customer No.: 22913

WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, UT 84111
Phone: 801-533-9800
Fax: 801-328-1707

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 18 day of August, 2010.

Respectfully submitted,



Transmitted: REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323
PTO Form PTO/SB/44 and check No. 169567 in the amount of \$100

KF:tgp
2908327_1